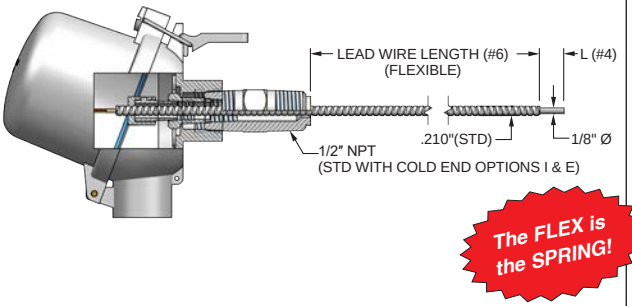
FLEX ARMOR ADJUSTABLE DEPTH SENSORS

#1	DESCRIPTION
2K	Flexible armor adjustable depth sensor

#2	SENSOR TYPE
J	Iron/Constantan (Standard)
K	Chromel/Alumel
T	Copper/Constantan
E	Chromel/Constantan
3	100Ω Platinum RTD 0.00385 alpha (3 wire) Class B
4	100Ω Platinum RTD 0.00385 alpha (4 wire) Class A
4S	100Ω Platinum RTD 0.00385 alpha (4 wire) 1/10th DIN
X	Other, specify

Note: Add a 2 for dual element. (Example: 2J)



#3	FLEX ARMOR DIMENSIONS
1	.125" ID X .210" OD
2	.188" ID X .270" OD (Standard)

#4	TUBE LENGTH
__"	Length in inches
Z	Flush - no tube (Standard)

#5	JUNCTION
G	Grounded (Standard)
U	Ungrounded - (RTDs are always ungrounded)

#6	LEAD WIRE LENGTH (Standard Insulation Fiberglass)
__"	Length in inches

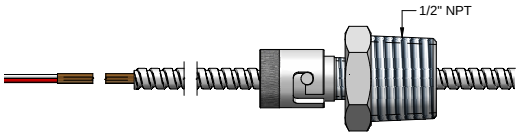
#7	COLD END TERMINATION [Additional options see Pg 1-7]
C	Standard plug
E	Standard jack
K	Spade lugs
I*	Explosion proof head, 1/2" x 3/4" NPT connection with fitting
R*	High dome, general purpose head w/ hinged cover, 1/2" x 1/2" NPT fitting
T	Junction box connector
A	Bare ends (Standard)
P**	Single 1/2" NPT thread with bayonet S/L
X	Other, specify

If bayonet adapter is needed for mounting, see page 2-5.

#8	TAGGING AND CALIBRATION OPTIONS (Use only if applicable)
_____	See page 1-2 #14 for ordering selections.

* Symbols I & R are not usually used in plastics manufacturing. These options are designed to provide a spring-loaded industrial sensor that can be used through elbows and around corners. Also an excellent solution when spring-loading is needed for a protection tube or thermowell that has become warped or bent. Select symbol #3-1 for .210 OD flex armor to fit thermowells.

** Match with additional code end options. If none are specified, will be supplied with bare ends.



COLD END OPTION P (Use with .125" Flex Armor Dimension)

ADDITIONAL TERMINATIONS

COLD END TERMINATION [SEE SECTION 6] Choose as many as applicable (JMS part number prefixes are shown in parenthesis)

Connectors

	Plugs		Jacks
B	Miniature plug (6A1B)	D	Miniature jack (6A1D)
BH	Miniature high temperature plug (6A2B) <800°F	DH	Miniature high temperature jack (6A2D) <800°F
C	Standard plug (6A1C)	E	Standard jack (6A1E)
F	Standard high temperature plug (6A2C) <800˚F	G	Standard high temperature jack (6A2E) <800˚F
WM	Microphone style plug (6DA)	WF	Microphone style jack (6DA)
WA	Solid pin plug, heavy duty (6A3C)	WB	Solid pin jack, heavy duty (6A3E)
WC	Jab in plug (6A4C)	WD	Jab in jack (6A4E)
WE	Ultra high temperature plug, glazed (6A5C) <1200°F	WG	Ultra high temperature jack, glazed (6A5E) <1200°F
WH	Ultra high temperature plug, unglazed (6A7C) <1200°F	WI	Ultra high temperature jack, unglazed (6A7E) <1200°F
WJ	Low noise plug (6A6C) <425°F	WK	Low noise jack (6A6E) <425°F
WL	DIN-IEC microphone plug (6DB)	WN	DIN-IEC microphone style jack (6DB)
V	Molded/water resistant plug (6DC)	VF	Molded/water resistant jack (6DC)
Y	M12 Male connector (6DY)	YF	M12 Female connector (6DY)
WQ	Miniature locking plug (6A8B2)	WR	Miniature locking jack (6AIDL2)
WS	Standard plug, locking (6A8C2)	WT	Standard jack, locking (6A8E2)

Heads

[6–1] Visit *www.JMS-SE.com/headspecs*

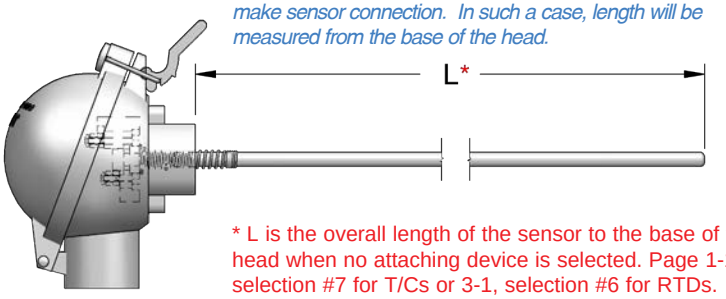
Explosion Proof

I	Aluminum, NEMA 4X, FM, CSA, IP68 (6IA)
J	316 stainless steel, NEMA 4X, FM, CSA, IP68 (6ISS)
P	Aluminum, NEMA 4X, FM, CSA, ATEX, IECEx, IP68 (6IAIEC)
U	316 stainless steel, NEMA 4X, ATEX, IP68 (6ISSATEX)
SI	Cast Iron, NEMA 3, 4, UL, CSA (6I)
GA	Aluminum, screw cover w/ indicating window, NEMA 4X, ATEX, IECEx, FM, CSA, IP68 (688A1)
GS	316SS, screw cover w/ indicating window, NEMA 4X, ATEX, IECEx, FM, CSA, IP68 (688S1)

General Purpose

L	Aluminum w/ hinged cover (6L)
M	Aluminum w/ screw cover & chain (6M)
R	Aluminum w/ hinged high dome cover (6R)
N	Cast Iron w/ screw cover (6N)
Q	Black plastic (6Q)
SS	316 stainless steel w/ screw cover & chain (6SS)
WP	White plastic, screw cover, Sanitary (6WP)
SB	Nickel plated, cylinder style, 1/4" NPT (6S250)
SD	Nickel plated, cylinder style, 1/8" NPT (6S125)
SC	Stainless steel, socket cap style
ST	Molded plastic, mini head, 1/4" NPT, < 350F (6T)
SU	Molded plastic, mini head, 1/4" NPT, < 800F (6U)

Some applications may have pre-existing threaded pipes or protection tubes where no attaching device is needed to make sensor connection. In such a case, length will be measured from the base of the head.



* L is the overall length of the sensor to the base of the head when no attaching device is selected. Page 1-1, selection #7 for T/Cs or 3-1, selection #6 for RTDs.

Transmitters [8-1 to 8-3]

Notes:
- Add span range after transmitter selection. Example: 8H(0-200C).
- Transmitter output = 4 - 20 mA. (See section 8 for other options).

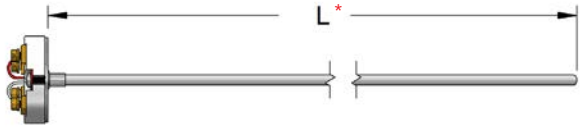
8H	Isolated transmitter
8N	Non-isolated transmitter
8I	Hart Protocol
8E	Intrinsically safe
8D	Hart/Intrinsically safe

8PA	Explosion proof, IP66/IP68, NEMA 4X, ATEX/IECEx, FM/CSA, Aluminum, threaded cap with glass viewing window, touch programmable [8-2]
8PS	Explosion proof, IP66/IP68, NEMA 4X, ATEX/IECEx, FM/CSA, 316 SS, threaded cap with glass viewing window, touch programmable [8-2]

8M Integral transmitter (see page 3-5) RTDs ONLY

Other

A	Bare ends
K	Spade lugs (6SL)
RL	Ring lugs (6RL)
O	Open ceramic terminal block, brass screw terminal (6B)
OA	Open Bakelite terminal block, nickel plated screw terminal (6BB)
OB	Open ceramic terminal block for sensors with bayonet style connection, brass screw terminal (6B or 6C)
OG	Ceramic terminal block, brass screw terminal (6G)
OP	Pluggable polymide terminal block, nickel plated screw terminal (6PT)
OS	Open ceramic terminal block, nickel plated solder terminal (6C)
CG	Cord connector/grip, aluminum 1/2" NPT (6CC)
TB	Conduit bushing, ¾" NPT male X ½" NPT female, plated steel (6IRB)
X	Other, specify



* L is the overall length of the sensor to the base of the terminal block mounting plate when open terminal block cold end termination is selected without a fixed attaching device. Page 1-1, selection #7 for T/Cs or 3-1, selection #6 for RTDs.